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PPLICATION NO.	F	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/904,908	(	07/16/2001	Hiromichi Komori	XA-9517	XA-9517 3669	
118	7590	04/21/2004		EXAMINER		
EMERSON				DUNWOODY, AARON M		
8000 WEST		ENT STATION 2826 SANT		ART UNIT	PAPER NUMBER	
ST. LOUIS, MO 63136				3679		

DATE MAILED: 04/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	09/904,908	KOMORI ET AL.	d				
Office Action Summary	Examiner	Art Unit					
	Aaron M Dunwoody	3679					
The MAILING DATE of this communication appeared for Reply.	pears on the cover sheet with the o	orrespondence address -	<b></b>				
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.  after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a rep If NO period for reply is specified above, the maximum statutory period  - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be tin ly within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed rs will be considered timely. the mailing date of this communication (35 U.S.C. § 133).	ation.				
Status							
1) Responsive to communication(s) filed on 02 A	April 2004.						
2a) This action is <b>FINAL</b> . 2b) ⊠ Thi	s action is non-final.						
3) Since this application is in condition for allowated closed in accordance with the practice under			s is				
Disposition of Claims							
4) ⊠ Claim(s) 2,6,8,12,14,18,20 and 21 is/are pend 4a) Of the above claim(s) is/are withdra 5) ⊠ Claim(s) 2,6,8,12 and 18 is/are allowed.  6) ⊠ Claim(s) 14,20 and 21 is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or	awn from consideration.						
Application Papers							
9) The specification is objected to by the Examin	er.						
10)☐ The drawing(s) filed on is/are: a)☐ ac	The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	· · · · · · · · · · · · · · · · · · ·						
Priority under 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreig</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority document</li> <li>2. Certified copies of the priority document</li> <li>3. Copies of the certified copies of the priority document</li> <li>application from the International Bureat</li> <li>* See the attached detailed Office action for a list</li> </ul>	nts have been received.  Its have been received in Applicat  Ority documents have been received in Applicat  Ority documents have been received.	ion No ed in this National Stage					
Attachment(s)							
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D						
Notice of Draftsperson's Patent Drawing Review (P10-940)     Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date		Patent Application (PTO-152)					

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### **DETAILED ACTION**

#### Response to Amendment

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 14, 20 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over US patent 5916026, Sadakata.

In regards to claims 14 and 20, Sadakata discloses an elastic shaft coupling (101a) comprising a joint member (104) formed with a hole; a hollow shaft member (102a) received in the joint member; an elastic member (111) interposed radially between the joint member and the hollow shaft member to flex and deform upon relative rotation between the joint member and the hollow shaft member; stopper portions provided, respectively, on the joint member and the hollow shaft member to restrict the relative rotation therebetween within a predetermined amount; and the stopper portions provided on the joint member each including a pair of stopper faces spaced from each other in a peripheral direction to form a gap therebetween, the stopper portions provided on the hollow shaft member each being radially outwardly projected into the gap formed between the stopper faces of the corresponding stopper portion provided on the joint

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member, the stopper portions on the hollow shaft member being formed by flaring an end of the hollow shaft member to be projected radially outwardly. Sadakata does not discloses the radially outermost points of contact of each stopper portion being disposed inwardly from respective centers of the stopper faces along a radial direction. US patent 5672111, Schremmer et al., or US patent 6283867, Aota et al. teach a radially outermost points of contact of each stopper portion being disposed inwardly from respective centers of the stopper faces along a radial direction. It would have been obvious to one having ordinary skill in the art at the time the invention was made to fabricate the radially outermost points of contact of each stopper portion disposed inwardly from respective centers of the stopper faces along a radial direction, since a change in the size of a prior art device is a design consideration within the skill of the art. In re Rose, 220 F.2d 459, 105 USPQ 237 (CCPA 1955).

Further, the method of forming, in particular, the stopper portions on the hollow shaft member being formed by flaring an end of the hollow shaft member to be projected radially outwardly, the device is not germane to the issue of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

In regards to claim 21, Sadakata discloses the claimed invention except for the hollow shaft member being a steel pipe of a low carbon steel. It would have been obvious to one having ordinary skill in the art at the time the invention was made to fabricate the hollow shaft member from a steel pipe of a low carbon steel, since it has been held to be within the general skill of a worker in the art to select a known material

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on the basis of its suitability for the intended use as a matter of obvious design choice.

In re Leshin, 125 USPQ 416.

## Allowable Subject Matter

Claims 2, 6, 8, 12 and 18 are allowed.

## Response to Arguments

Applicant's arguments with respect to claims 14, 20 and 21 have been considered but are moot in view of the new ground(s) of rejection.

### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron M Dunwoody whose telephone number is (703) 306-3436. The examiner can normally be reached on Monday - Friday between 7:30 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne H Browne can be reached on (703) 308-1159. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

.amd (M)

ERIC K. NICHOLSON PRIMARY EXAMINER